

80283

S/170/60/G03/04/03/027  
B007/B102

5.1175

AUTHORS: Zalogin, N.G., Keneman, F.Ye., Vorob'yev, V.N.

TITLE: 2. On the Mechanism of the Free Efflux of Granular Materials

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, 1960, Vol. 3, No. 4, pp. 18-22

TEXT: The efflux quantity of various sands and other granular materials was measured for the purpose of explaining the influence of the inclination of the container walls. The process was a free efflux from conical funnels with an opening angle of 30, 45, 60, 90 and 120° (which corresponds to an angle  $\alpha$  of wall inclination of 75, 67.5, 60, 45 and 30°). The results shown in Fig. 1 were obtained and they agree well with one another. They show that when continuously proceeding from a container with flat bottom to a funnel, the efflux quantity even decreases, reaches a minimum at  $\alpha = 45^\circ$ , and increases again when  $\alpha$  is further increased. Only with  $\alpha > 55-60^\circ$  does the efflux quantity become as high as in the efflux from a container with flat bottom. Thus, this angle is considerably wider than the angle of repose which is 35-40° in the case of the materials investigated. The efflux quantity is the greater the lower is the ratio  $d_o / d_T$ .  $d_o$  denotes the diameter of the outlet,  $d_T$  the mean diameter of

Card 1/3

2. On the Mechanism of the Free Efflux of Granular Materials

80283  
S/170/60/003/04/03/027  
B007/B102

the particles. The efflux quantity rises especially at  $\alpha = 65-70^\circ$ . This seems to be the moment when the new way of efflux begins to act, i.e. the efflux with gliding of the particles along the wall. The experiments showed (proceeding from the conceptions on the dynamic camber (Ref. 7)) that the dependence of the efflux quantity on the angle of inclination,  $\alpha$ , of the container wall is determined only by the change of the form at the entrance to the outlet. This entrance part corresponds to the height of a truncated cone of about  $0.5 d_0$ . The shape of the bottom of the container has no effect upon the efflux quantity. Further experiments showed that the change in efflux quantity is caused by a velocity change or a change of the particle quantity in the layers flowing out to the periphery. On this occasion the relative increase in efflux quantity in the layers on the periphery of the jet is the greater the lower the ratio  $d_0 / d_T$ . Finally also the influence of a variation of the distance between the container walls and the outlet margins upon the efflux quantity in the case of a cylindric container with flat bottom was investigated. It has been found that the walls of a cylindric container influence the efflux quantity only when the distance between walls and outlet margin is shorter than the diameter of the outlet opening. The experiments showed that the height of the column above the

Card 2/3

2. On the Mechanism of the Free Efflux of  
Granular Materials

80283  
S/170/60/003/04/03/027  
B007/B102

opening does not influence the outlet quantity, not even when the efflux is accompanied by a gliding of the particles along the wall. There are 4 figures and 7 references, 5 of which are Soviet.

ASSOCIATION: Energeticheskiy institut AN SSSR im. G.M. Krzhizhanovskogo, g. Moskva  
(Institute of Power Engineering of the AS USSR imeni G.M.  
Krzhizhanovskiy, City of Moscow)

Card 3/3

ZALOGIN N. N.

11 июня  
(с 18 до 22 часов)

Г. Н. Рогов

Наблюдение параметров электромагнитного поля в по-  
верхности атмосферы радиолокационной станции.

С. Г. Афанасьев

Об устройстве частотного генератора.

А. Н. Чистяков

Измерения параметров электромагнитного поля в по-  
верхности атмосферы радиолокационной станции.

М. С. Арсенов

Метод измерения параметров электромагнитного поля в по-  
верхности атмосферы радиолокационной станции.

12 июня  
(с 10 до 16 часов)

Г. Н. Рогов

А. Н. Чистяков

С. Г. Афанасьев

Измерения параметров электромагнитного поля в по-  
верхности атмосферы радиолокационной станции.

М. С. Арсенов

Г. А. Лобов

Генеральный директор ЦСР им. А. А. Попов

А. Н. Чистяков

М. Н. Златов

С. Г. Афанасьев

Вспомогательные измерения параметров электромагнитного поля.

А. Н. Чистяков

М. Н. Златов

С. Г. Афанасьев

А. Н. Чистяков

Измерения параметров электромагнитного поля в по-  
верхности атмосферы радиолокационной станции.

А. СЕВЕРС РАДИОТЕХНИКА

Руководитель Г. А. Лобов

9 июня  
(с 10 до 16 часов)

А. Г. Савин

О характеристиках параметров электромагнитного поля в по-  
верхности атмосферы радиолокационной станции.

report submitted for the Centennial Meeting of the Scientific Technological Society of  
Radio Engineering and Electrical Communications in. A. A. Popov (VSEI), Moscow,  
8-12 June, 1959

ZALOGIN, N.S.

VOZNESENSKIY, Nikolay Aleksandrovich; KALACHOV, V.P., inzhener,  
retsensent; SOBOKA, M.S., redaktor; ZALOGIN, N.S., redaktor;  
LYKHOTA, M.A., tekhnicheskii redaktor;

[Safety instructions for grinders and adjusters of abrasive  
machine tools] Pamiatka po tekhnike bezopasnosti dlia rabochikh-  
shlifovshchikov i naladchikov stankov s abraziwnym instrumentom.  
Kiev, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1955. 52 p.  
(Grinding and polishing) (MLRA 8:11)

ZHLOGIN, N.S.

MISHYUK, Ol'ga Antonovna; BAYRAKOV, A.B., inzhener, redaktor; GUL'KO, M.M.,  
retsensent; ZALOGIN, N.S., redaktor; RUDNITSKIY, Ya.V., tekhnicheskij  
redaktor

[Clamp couplings] Klemmovye soedineniia. Kiev, Gos.nauchno-  
tekhn. izd-vo mashinostroitel'noi lit-ry, 1955. 61 p. (MIRA 9:3)  
(Couplings)

GASYUK, Ivan Platonovich; SINDEYEV, Ivan Iukich; ZALOGIN, N.S. redaktor;  
SAMOKHVALOV, Ya.A., inzhener, redaktor; SASOV, V.V., kandidat  
tekhnicheskikh nauk, dotsent, retsenzent; RUDENSKIY, Ya.V., tekhnicheskii redaktor

[Manufacture of thread gauges] Praktika izgotovleniya rez'bovykh kalibrov. Kiev, Gos.nauchno-tekhn.izd-vo mashinostroitel'noi lit-ry, 1955. 118 p. (MIRA 9:1)

(Gauges) (Screw threads)

ZALOGIN, Nikolay Savel'yevich; RYVKIN, Anatoliy Zalmanovich;  
TSLAF, L.Ya., kandidat fiziko-matematicheskikh nauk, redaktor;  
RUDENSKIY, Ya.V., tekhnicheskiiy redaktor

[Mathematical reference manual for engineers] Spravochnik po  
matematika dlia tekhnikov. Kiev, Gos. nauchno-tekhn. izd-vo  
mashinostroit. lit-ry, 1956. 214 p. (MLRA 10:5)  
(Mathematics)

CHEHNENKO, I.D.; WALOGIN, N.S.

Public inspection of the introduction of advanced practices and  
the organization of information work in Ukrainian enterprises  
and institutions. NTI no.12:7-8 '64.

(MIRA 18:3)

ZALOGIN, N.S.

Putting in order the publication of the proceedings of institutions of higher learning and scientific organizations in the Ukraine. NTI no.11:5-6 '63. (MIRA 17:2)

1.1800

8/123/61/000/009/013/027  
A004/A104

AUTHOR: Zalogin, N.S.

TITLE: The effect of oxide coating and parkerizing on the running-in ability and galling of steel - chromium couples

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 9, 1961, 89, abstract 9B657 (V sb. "Povysheniye iznosostoykosti i sroka sluzhby mashin. v. 2", Kiev, AN UkrSSR, 1960, 244 - 248)

TEXT: The author presents the results of investigating the effect of oxide coating and parkerizing on the running-in ability of steel - chromium couples as well as the effect of the duration of the mentioned processes on the galling of these couples. Alkali oxide coating was carried out in a solution of the following composition (in gram/liter): NaOH - 650-700;  $\text{NaNO}_3$  - 120;  $\text{NaNO}_2$  - 40, at 138 - 140°C during 30 minutes. Parkerizing was effected in a 30 - 40 gram/liter solution of the "Mazher" preparation at 97 - 99°C for 40 - 50 minutes. The tests were carried out on the AE-5 (AYe-5) friction machine and on a device for the checking of the galling of metals designed by I.V. Kragel'skiy and V.I. Kostetakiy. Cylindrical test specimens were made from 30XTC A(30KhTSA) stainless steel, the rotating

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Card 1/2

The effect of oxide coating ...

S/123/61/000/009/013/027  
A004/A104

disks from grade 25 steel with subsequent chrome plating in a bath of the following composition (gram/liter):  $\text{CrO}_3$  - 250;  $\text{H}_2\text{SO}_4$  - 2, at a current density of 50 amp/ $\text{dm}^2$  and a temperature of  $60^\circ\text{C}$ . The specimen speed of rotation was 4.5 m/sec, the load was changed in steps (200 gr every 4 minutes). The running-in ability of the friction couple was rated by the maximum load at which galling took place. The investigation results are stated in two tables. An analysis of the data obtained showed that the parkerizing and oxide coating of steel in a steel - chromium friction couple increases its efficiency. The duration of these processes should not exceed 30 - 40 minutes.

N. Savina

[Abstracter's note: Complete translation]

Card 2/2

ZALOGIN, N. S.

The Effect of Oxidizing and Phosphate Coating on the Running-In and Seizing of a Steel-Chrome Pair.

Povsheniye iznosostoykosti i sroka sluzhby mashin. t. 2 (Increasing the Wear Resistance and Extending the Service Life of Machines. v. 2) Dniyev, Izd-vo AN UkrSSR, 1960. 290 p. 3,000 copies printed. (Series: Its: Trudy, t. 2)

Sponsoring Agency: Vsesoyuznoye nauchno-tekhnicheskoye obshchestvo mashinostroytel'noy promyshlennosti. Tsentral'noye i Kiyevskoye oblastnoye pravleniya. Institut mekhaniki AN UkrSSR.

Editorial Board: Resp. Ed.: B. D. Grozin; Deputy Resp. Ed.: D. A. Draygor; M. P. Braun, I. D. Faynerman, I. V. Kragel'skiy; Scientific Secretary: M. I. Barabash; Ed. of v. 2: Ya. A. Samokhvalov; Tech. Ed.: M. P. Rakhlina.

COVERAGE: The collection contains papers presented at the Third Scientific Technical Conference held in Kiyev in September 1957 on problems of increasing the wear resistance and extending the service life of machines. The conference was sponsored by the Institut stroitel'noy mekhaniki AN UkrSSR (Institute of Structural Mechanics of the Academy of Sciences Ukrainian SSR), and by the Kiyevskaya oblastnaya organizatsiya nauchno-tekhnicheskogo obshchestva mashinostroytel'noy promyshlennosti (Kiyev Regional Organization of the Scientific Technical Society of the Machine-Building Industry).

DOBROVOL'SKIY, Viktor Afanas'yevich, prof., doktor tekhn.nauk, zaslu-  
zhennyy deyatel' nauki i tekhniki; ZABLONSKIY, Konstantin  
Ivanovich; MAK, Solomon L'vovich; RADCHIK, Aleksandr Semenovich;  
ERLIKH, Lazar' Borisovich; PINEGIN, S.V., prof., doktor tekhn.  
nauk, retsenzent; ACHERKAN, N.S., prof., doktor tekhn.nauk, red.;  
ZALOGIN, N.S., red.

[Machine parts] Detali mashin. Izd.3., perer. i dop. Kiev,  
Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959. 581 p.  
(MIRA 12:8)

1. Rukovoditel' kafedry "Detali mashin" Odesskogo politekhnicheskogo  
instituta (for Dobrovol'skiy).  
(Mechanical engineering)

ZALOGIN, Nikolay Savel'yevich; OSTROVSKIY, G.G., retsenzent;  
SHAPIRO, I.Ya., red.; NOVIK, A.M., red.izd-va;  
SAMOKHVALOV, Ya.A., inzh., red.izd-va; STARODUB, T.A.,  
tekhn. red.; MATUSEVICH, S.M., tekhn.red.

[Mathematical problems for competitive examinations]  
Konkursnye zadachi po matematike. Kiev, Gostekhnizdat,  
USSR, 1964. 615 p. (MIRA 17:3)

BOGOLYUBSKIY, N.; BORISOV, S.; GRIGOR'YEV, N.; GUSAROV, M.; GUSEV, L.;  
ZHAROV, S.; ZHETVIN, N.; ZALOGIN, S.; ZOLOTOV, G.; INOZEMTSEV, N.;  
KLEMENT'YEVA, A.; KOMAROV, A.; KOSMACHEV, V.; LAPTEV, V.; LOMONOSOV, V.;  
MIKHAYLOV, A.; NOVIKOV, I.; PERTSEV, M.; PROKOPOVICH, P.; ROMANOV, I.;  
RUBLINSKAYA, R.; SVIRIDOV, G.; SOTNIKOV, G.; SUBBOTIN, A.; TURFANOV, I.;  
CHESNOKOV, S.; CHICHKIN, K.; CHIKHANOV, I.

Grigori Markelovich Il'in; an obituary. Metallurg 3 no.10:36 0 '58.  
(MIRA 11:10)

(Il'in, Grigori Markelovich, 1894-1958)

YUKHVETS, Izrail' Abramovich. Prinimal uchastiye: KRASIL'SHCHIKOV, R.B..  
KADYKOV, N.I., retsenzent; ZALOGIN, S.A., retsenzent; BOGO-  
LYUBSKIY, V.I., red.; GOROBINCHENKO, V.M., red.izd-va; ISLENT'YE-  
VA, P.G., tekhn.red.

[Metal-drawing work] Volochil'nos proizvodstvo. Moskva, Gos.  
nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii.  
Pt.2. 1960. 286 p. (MIRA 13:1)

1. Giprometiz (for Krasil'shchikov).  
(Drawing (Metalwork))

ZALOGINA, L.V.

Influence of taste stimuli on the secretion of the isolated small stomach in dogs. N. V. Timofeev and L. V. Zalogina. *K' Nefro-Humoral'noi Regulatsii Sekretii Zheludka*, Moscow, 1936, 205-77 (in English 277-8).—Expts. were performed on 4 dogs with Pavlov stomach pouches. The effect of adding taste stimuli to food varied with the type and concn. of stimulating substance and with the food to which it was added. 0.1 N HCl usually decreased gastric secretion, weaker concns. increased it, the most marked effects being produced when it was added to meat, the least effect when added to bread. NaCl stimulated most markedly when 3-4 g. was added to 600 cc. of milk; when 10 or more g. was added to the same quantity of milk gastric secretion was inhibited. It had an insignificant effect when added to meat or bread. Quinine in all concns. decreased the quantity of gastric juice and increased the latent period and the duration of secretory activity when added to any food. Irrigation of the mouth with any of the taste stimuli when the gastric glands were at rest did not initiate secretion. Similar irrigation during spontaneous secretion increased the same. Since the taste stimuli (especially NaCl) when introduced directly into the stomach produce only a slight increase in gastric secretion the authors conclude that the described effects were produced by reflex taste (chem.) stimulation from the mouth (and not by the possible entrance of the stimulants into the stomach) by changing the excitability of the gastric secretory glands. S. A. Corson

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

*ZALOGINA, V. S.*

USSR/Microbiology, Microbes Pathologic for Man and  
Animal

F

Abs Jor : Ref Zhur-Biol., No 13, 1958, 57732

Author : Kolomoitsev L. R., Druzhinin I. D., Zalogina V. S.

Inst \* : ~~Not given~~

Title : Antigenic and Immunogenic Properties of the  
Phytoncide Antidysentery Vaccine

Orig Pub : Zh. mikrobiol., epidemiol. i immunologii, 1957,  
No 7, 135-136

Abstract : Results of the study of the antigenic and immu-  
nogenic properties of phytoncyde (killed by the  
action of volatile fractions of garlic) anti-  
dysentery vaccine prepared from Flexner's strain  
type W and heated and formalinized vaccine of  
the same strain( the method is cited) are repor-  
ted. The immunogenesis of the garlic vaccine and

Card 1/2 \* I.Z. KAFEDRY "MIKROBIOLOGII" STALINSKOGO MEDITSINSKOGO INSTITUTA.

KABANOVA, O.L.; ZALOGINA, Ye.A.

Determination of microgram quantities of oxygen dissolved in water by the thallium column method at 32° and 40°C. Zhur. anal.khim. 20 no.5:608-611 '65.

(MIRA 18:12)

1. Institut geokhimii i analiticheskoy khimii imeni V.I. Vernadskogo AN SSSR, Moskva. Submitted April 7, 1964.

METELEV, V. Ya., kand.sel'skokhozyaystvennykh nauk; ZALOGINA, Ye.F.;  
CHEKANOVA, N.I.

Growing beans in the Altai Territory. Zemledelia 23 no.4:56-60  
Ap '61. (MIRA 14:3)

1. Altayskiy nauchno-issledovatel'skiy institut sel'skogo khozyaystvennyy institut (for Chekanova). 2. Altayskiy kraykov Kommunisticheskoy partii Sovetskogo Soyuza (for Zalogina). 3. Altayskiy sel'skokhozyaystvennyy institut (for Chekanova).  
(Altai Territory—Beans)

ZALOGINA, Ye.F.; METELEV, V.Ya.; CHEKANOVA, N.I.; LAVRENOV, G., red.;  
ZHDANOVA, G., tekhn. red.

[Experience in the growing of beans in the Altai Territory] Opyt  
vyrashchivaniia bobov na Altae. Barnaul, Altaiskoe knizhnoe izd-  
vo, 1961. 30 p. (MIRA 14:11)  
(Altai Territory--Beans)

ATAYEV, S.S., kand.tekhn.nauk; ZALOGO, V.F., inzh.; KOROBCHIKIN, M.A.,  
inzh.; PEVZNER, E.D., kand.tekhn.nauk; ROGOVIN, Ya.A., inzh.;  
RAKUT', B.A., inzh.; RUBIN, V.I., inzh.; TIRKEL'TAUB, I.D.,  
inzh.; FROLOV, N.P., kand.tekhn.nauk; YANKOVSKIY, I.P., inzh.;  
MOROGOVSKIY, V.M., inzh., retsenzent; ZHIZHEL', I.M., inzh.,  
red.; KAZACHEK, G.A., red.; GOLUBTSOVA, P., red.; STEPANOVA,  
N., tekhn.red.

[Builder's handbook] Spravochnik мастера-stroitel'ia. Izd.4.,  
perer. i dop. Minsk, Gos.izd-vo BSSR. Red.nauchno-tekhn.  
lit-ry, 1959. 659 p. (MIRA 13:1)

1. White Russia. Ministerstvo gorodskogo i sel'skogo stroitel'-  
stva.

(Building)

FROLOV, Nikolay Prokhorovich; BESSONOV, Valeriy Georgiyevich;  
ZALOGO, Vitaliy Fedorovich; PETSOL'D, Timofey Maksimovich;  
SMEKH, Ivan Vasil'yevich; ATAYEV, S.S., doktor tekhn. nauk  
prof., nauchn. red.

[Mesh-reinforced concrete products] Armotsementnye kon-  
struktsii. Minsk, Nauka i tekhnika, 1965. 90 p.  
(MIRA 18:8)

L 45965-66 EWT(1)  
ACC NR: AT6030695

SCTB: DD/RD/JKT/GD/JXT(CZ)

SOURCE CODE: UR/0000/66/000/000/0035/0051

AUTHOR: Nefedov, Yu. G.; Anisimov, B. V.; Veselova, A. A.; Zaloguyev, S. N.;  
Zhuravlev, V. V.; Iseyev, L. R.; Komarov, N. N.; Kartsev, A. N.; Ivanenko, G. T.;  
Levinshiy, S. V.

ORG: none

TITLE: The aeroion composition of the air of hermetic chambers and its influence on the human organism 54  
B+1

SOURCE: Konferentsiya po kosmicheskoy biologii i meditsine, 1964, Materialy.  
Moscow, Inst. mediko-biol. problem, 1966, 35-51

TOPIC TAGS: aeroionization, human physiology, life support system, space physiology

ABSTRACT: A number of previous studies have indicated that while aeroions are of minor consequence, chronic exposure to them can lead to substantial changes in the functional condition of the organism. To further study this factor, five experiments of 20 days duration were conducted on 25 male volunteers from a laboratory (not named). The first experiment was for control purposes to obtain hygienic, chemical, and physiological data. The density of ions in this experiment ranged from 50—2000 pairs of ions/cm<sup>3</sup>. The second, third, and fourth experiments entailed exposure to positive, negative, and bipolar ions generated by "Shteynbok" radioactive ionizers. Ion concentration in the respiratory zone was 700—900 thousand ions/cm<sup>3</sup>

Card 1/8

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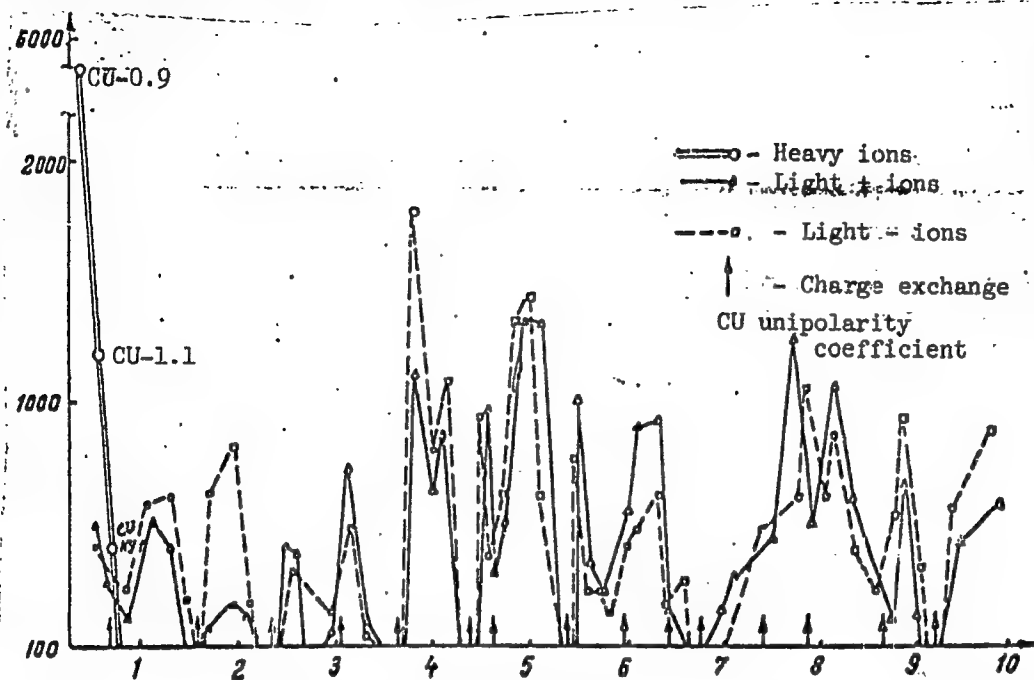


Fig. 1. Aerion composition during a 10-day experiment

Card 2/8

L 45965-66

ACC NR: AT6030695

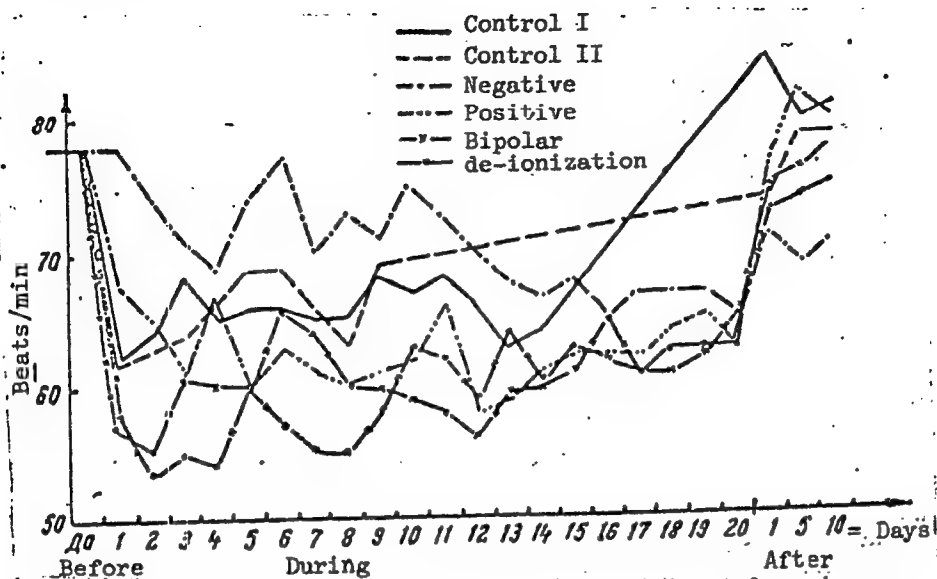


Fig. 2. Pulse dynamics during various experimental regimens.

Card 3/8

L 45965-66

ACC NR: AT6030695

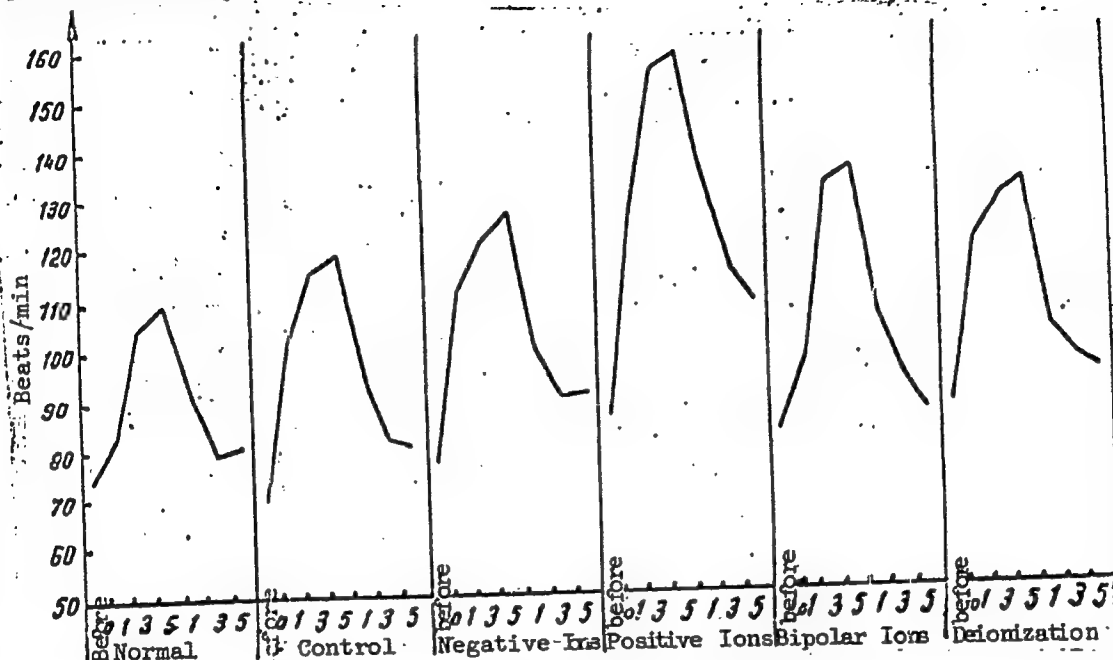


Fig. 3. Pulse variations during bicycle ergometer tests

Card 4/8

L 45965-66

ACC NR: AT6030695

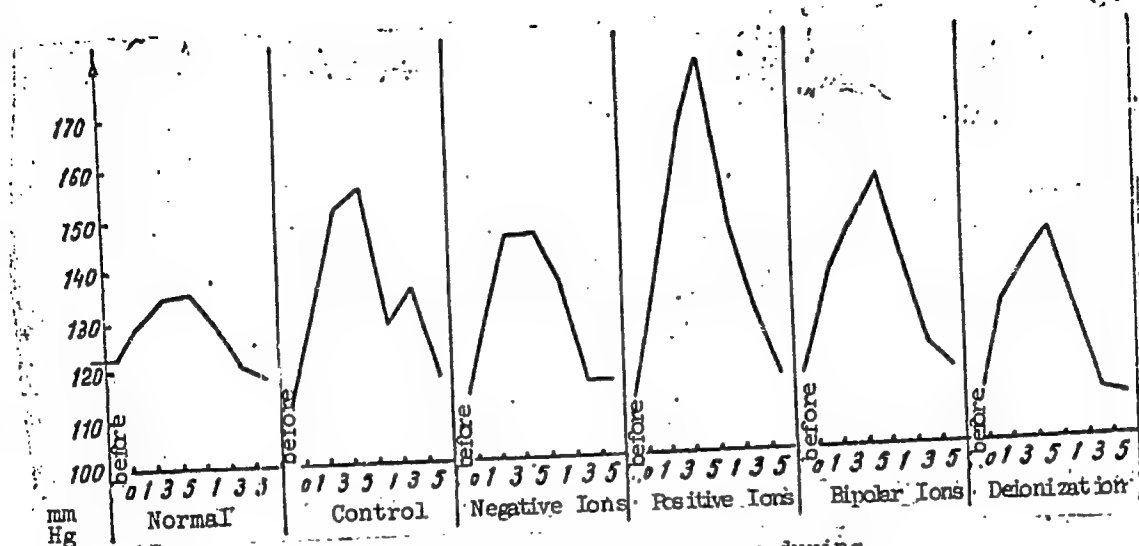


Fig 4. Changes in systolic pressure during exercise on a bicycle ergometer (mean values)

Card 5/8

L 45965-66

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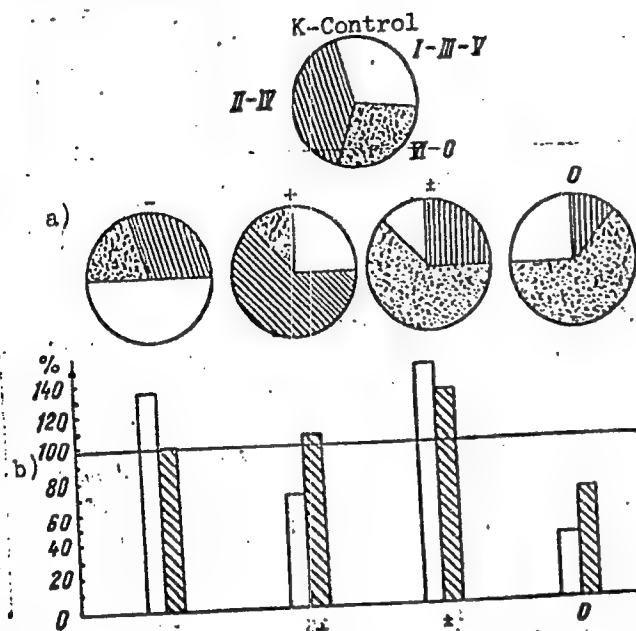


Fig. 5. Comparative characteristics of changes in the strength of neural processes in various experimental regimens (+, -, \*, control)

a - Character of reactivity curves;  
b - changes in the coefficient of reactivity to light (white) and to opening the eyes (striped).

Card 6/8

L 42965-66

ACC NR: AT6030695

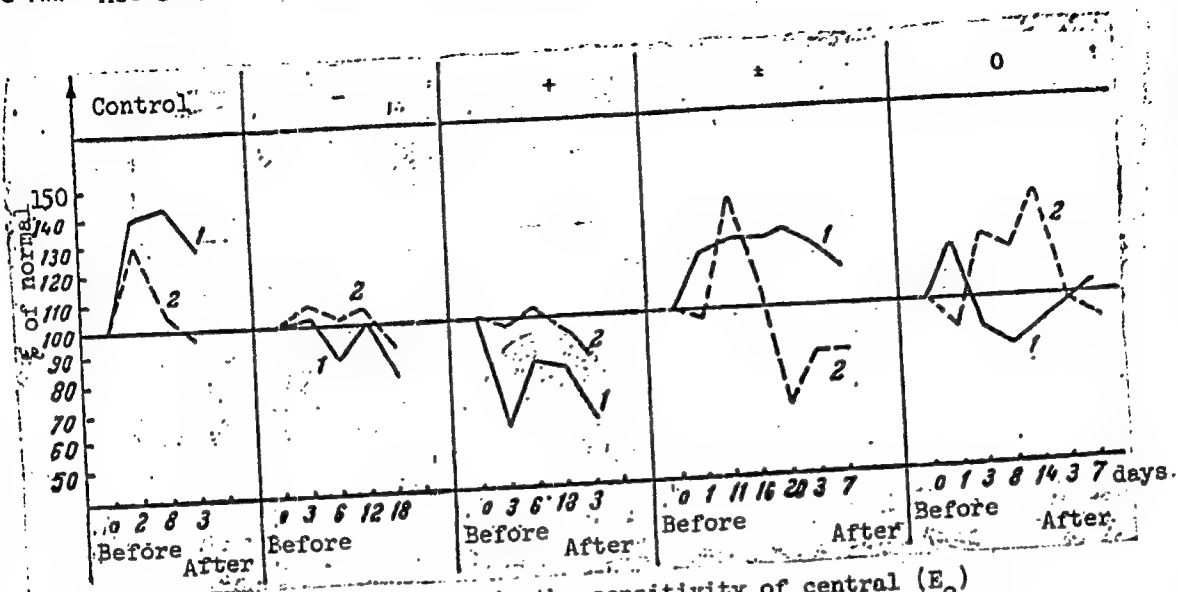


Fig. 6. Changes in the sensitivity of central ( $E_0$ ) and peripheral ( $L_3$ ) components of the visual analyzer (mean values): 1 -  $E_0$ ; 2 -  $L_3$

Card 7/8

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0

during experimentation. Allowing that the natural exposure dose for the lungs is 12.87 mrem/week (Sivintsev, 1960), it was calculated that 1 g of lung receives  $0.33 \cdot 10^{10}$  pairs of ions per day. If, in the respiratory medium, there were 500 pairs of light ions/cm<sup>3</sup> and 5000 pairs of heavy ions/cm<sup>3</sup>, then  $0.7 \cdot 10^{10}$  light and  $7 \cdot 10^{10}$  heavy pairs of ions would reach the lungs of a man during a day. In these experiments, the average subject received approximately  $10^{11}$  pairs of light ions per day. In the fifth experiment, the chamber was de-ionized using a system of filters and special ion traps. However, complete de-ionization could not be achieved and the density was 50—60 pairs of ions/cm<sup>3</sup>. Some results of these experiments are shown in Figs. 1-6. The results of the experiment generally showed increased muscular working capacity, external respiration, and an increased level of gas exchange during exercise in the experiment with negative aeroionization. Partial normalization of some indices occurred during the respiration of negative aeroions. However, for a number of indices, a normalizing effect was also noted in response to the respiration of positive and bipolar ions. Nonetheless, the general trend of the majority of shifts noted during experimentation lends credence to the proposition that prolonged exposure to positive ions or a de-ionized air leads to some changes deleterious to human health. It is possible that an effective approach to this problem would be to combine negative ions with positive or bipolar ions. The establishment of optimum aeroion regimens requires additional research. Orig. art. [CD]

SUB CODE: 06/ SUBM DATE: 14Apr66/ ORIG REF: 011/ ATD PRESS: 5086

Card 8/8 hs

L 09.09-67 FSS-2/INT(1)/SEC(A)-2 SCTR TT/DB/GD/GW 12  
 ACC NR: AT6036480 SOURCE CODE: UR/0000/66/000/000/0034/0036  
 AUTHOR: Arzhanov, I. M.; Beregovkin, A. V.; Bryanov, I. I.; Buyanov, P. V.;  
 Zaloguyev, S. N.; Kamen'shchikov, Yu. V.; Kovalev, V. V.; Krasovskiy, A. S.;  
 Kuznetsov, S. V.; Litsov, A. N.; Nikitin, A. V.; Nistratov, V. V.; Poruchikov, Ye. A.;  
 Potkin, V. Ye.; Teret'yev, V. G.; Fedorov, Ye. A.; Khlebnikov, G. F.;  
 Yaroshenko, G. L.  
 ORG: none 61.  
 6+1  
 TITLE: Results of clinical and physiological investigations of the crew of the  
 first multiman Voskhod spacecraft [Paper presented at the Conference on Problems of  
 Space Medicine held in Moscow from 24 to 27 May 1966]  
 SOURCE: Konferentsiya po problemam kosmicheskoy meditsiny, 1966. Problemy  
 kosmicheskoy meditsiny. (Problems of space medicine); materialy konferentsii,  
 Moscow, 1966, 34-36  
 TOPIC TAGS: space medicine, space physiology, weightlessness, bodily fatigue,  
 stress reaction, combined stress, cardiovascular system, central nervous system,  
 manned spaceflight/Voskhod-1  
 ABSTRACT: The inclusion of a physician in the crew of the Voskhod-1 made it pos-  
 sible to increase medical investigations of the crew members during  
 flight and to compare them with results of preflight and postflight exami-  
 nations. The scope of the physiological examinations was selected in  
 order to obtain a more complete evaluation of the functional condition of  
 the cardiovascular and central nervous systems, and the function of  
 Card 1/4

L 08269-67

ACC NR: AT6036480

external respiration of the cosmonauts. Physical exercises and ortho-static tests were included to detect earlier signs of physiological shifts.

Examinations were carried out before and after training in the ship, where certain conditions of flight were simulated, and also two weeks before flight. Postflight examination was begun fifteen minutes after landing and was continued for the first four days after the flight and also two weeks later.

After landing, the cosmonauts were active, looked somewhat excited, and complained of general fatigue. They were found to have hyperemia of the mucosa of the upper respiratory tract and conjunctivitis.

Komarov's weight dropped by 2.6%, Feoktistov's weight dropped by 4%, and Yegorov's by 3.9%. Weight loss was determined by Zhdanov to be due to water and fat loss. Neurological examination revealed a light swaying in the Romberg position, a tremor of the fingers, and increased perspiration. In addition, Yegorov showed a contraction of the retinal arteries. Disruption of vision and vestibular difficulties were not noted. Changes in EEG indicated an increase in inhibitory processes in the cortex of the brain. A diminution in work capacity was established by

Card 2/4

ACC NR: AT6036480

psychological experiments (increase in the number of mistakes, increase in latent periods).

Indices of cardiovascular activity during rest did not exceed wide norms. However, an increase in pulse frequency was noted (Komarov up to 96, Feoktistov up to 100, and Yegorov up to 94 beats/min), as well as moderate drop in arterial pulse pressure at the expense of an increase in diastolic pressure. All three cosmonauts, when subjected to exercise, showed a significant increase in the pulse rate and inertia in the stroke volume. Feoktistov and Yegorov showed a significant diminution in the heart stroke volume and minute circulation of the blood during the passive orthostatic test. This could indicate a disruption of the venous inflow to the heart.

Postflight blood examinations indicated neutrophilic leukocytosis and eosinopenia. Urine was found to contain significant quantities of salts, chiefly urates, single erythrocytes (in the field of vision), and an increase in the excretion of 17-oxycorticosteroids. Eosinopenia, an increase in excretion of products of hormone decomposition, indicated the development of a stress reaction in cosmonauts. Since some of the indications found on the flight were also found after training in the train-

Card 3/4

L 08269-67

ACC NR: AT6036480

ing ship, there is reason to attribute them to limitation of motor activity under conditions of weightlessness. The functional shifts found after flight are indications of a general fatigue, a moderate stress reaction, and a certain amount of detraining. In general, the changes observed in the cosmonauts were of one type. The differences found between the cosmonauts can be attributed to individual differences. [W.A. No. 22; ATD Report 66-116]

SUB CODE: 06, 22 / SUBM DATE: 00May66

Card 4/4 *eyh*

ACC NR: AT6036658

SOURCE CODE: UR/0000/66/000/000/0287/0287

AUTHOR: Nefedov, Yu. G.; Zaloguyev, S. N.; Shilov, V. M.; Borshchenko, V. V.

ORG: none

TITLE: Problem of designing a habitable spacecraft cabin environment, [Paper presented at the Conference on Problems of Space Medicine held in Moscow from 24-27 May 1966]

SOURCE: Konferentsiya po problemam kosmicheskoy meditsiny, 1966. Problemy kosmicheskoy meditsiny. (Problems of space medicine); materialy konferentsii, Moscow, 1966, 287

TOPIC TAGS: automicroflora, closed ecological system, life support system, space cabin habitability, space hygiene, immunology

ABSTRACT:

Prolonged spaceflights require that man remain in a closed environment with an altered medium under the influence of a series of unfavorable space-flight factors. In sealed-chamber experiments with human subjects, during which certain spaceflight factors were simulated along with various work and rest schedules, in addition to physiological, psychological, and clinical observations, special attention was given to the study of the microflora of the medium, and the automicroflora and immunological reactivity of the human organism.

Card 1/3

ACC NR 110036658

Experiments with humans in sealed chambers have indicated that as experiments increase in duration, there is an increase in general bacteriological contamination of the surrounding medium in the chamber and that the number of pathogenic microorganisms increases significantly.

Studies of the processes of interchange of microorganisms between humans are of particular interest. Results of preliminary investigations based on phagocytic and serum studies have indicated an exchange of microorganisms between humans under these conditions.

Along with bacterial contamination of the environment, definite shifts in the immunological reactivity of the organism were noted. These shifts are characterized by disruption of the bactericidal function of the skin surfaces, depression of the phagocytic activity of leukocytes, and a reduction in the lysozyme content of the saliva.

The observed changes call attention to the need for finding methods of preventing the occurrence of infectious and autoinfectious diseases, which can arise as a result of the depression of immunological reactivity of the organism, changes in environmental microflora, and disruption of

Card 2/3

ACC NR: AT6036658

the normal microbial biocenosis in cosmonauts.

The problem of biological compatibility of microflora in relation to individual differences of space crew members deserves consideration.

[W. A. No. 22; ATD Report 66-116]

SUB CODE: 06,22 / SUBM DATE: 00May66

Card 3/3

JURKOVIC, Ivan, dr.: ZALOKAR, Bozida, M.E.

Notes on the minerals in the Wuntho region, Burma. Geol vjes Hrv  
12:125-134 '58. (published '59) (KEAI 9:6)  
(Burma-- Minerals)

ZALOKAR, Boridar

Boris Tribusson, 1924-1957; an obituary. Geol vjes Hrv 12:279  
(published '59) (EEAI 9:6)  
(Tribusson, Boris) (Geologists, Croatian)

ZALOKAR, Bozidar, M.E. (Zagreb); JURKOVIC, Ivan, dr.inz. (Zagreb)

Occurrence of copper ore near Kyaukse, Burma. Geol vjes Hrv 14:  
265-270 '60 (publ. '61).

1. "Geoistrazivanja", Zagreb, Kupska 2, Yugoslavia (for Zalokar).
2. Institute for Mineralogy, Petrology and Ore Deposits, Techno-  
logical Faculty, University of Zagreb, Zagreb, Kaciceva 26,  
Yugoslavia, Clan Urednickog odbora, referent, "Geoloski vjesnik"  
(for Jurkovic).

JURKOVIC, Ivan, dr. inž. (Zagreb); ZALOKAR, Bozidar, M.E. (Zagreb)

Occurrence of copper ore at Buddha Khola in south-central Nepal.  
Geol vjes Hrv 14:301-310 '60 (publ. '61).

1. Institute of Mineralogy, Petrology and Ore Deposits, Technological Faculty, University of Zagreb, Zagreb, Kaciceva 26, Yugoslavia. Clan Urednickog odbora, referent, "Geoloski vjesnik" (for Jurkovic).
2. Enterprise "Geoistrazivanje", Zagreb, Kupaska 2, Yugoslavia (for Zalokar).

JURKOVIC, Ivan, dr.inz. (Zagreb); ZALOKAR, Bozidar, M.E. (Zagreb)

Occurrence of silver-bearing galena and siderite in the region of Putao, northern Burma. Geol vjes Hrv 14:311-322 '60 (publ. '61).

1. Institute of Mineralogy, Petrology and Ore deposits, Technological Faculty, University of Zagreb, Zagreb, Kacicova 26, Yugoslavia. Clan Urednickog odbora, referent, "Geoloski vjesnik" (for Jurkovic)
2. Enterprise "Geostrazivanja", Zagreb, Kupaska 2, Yugoslavia (for Zalokar).

ZALOKAR, Ivan, inz.

Documentation services. Stroj vest 9 no.4/5:128 0 '63.

1. TAM.

ZALOKAR, Ivan, dipl. inz.

Regulation and automatic adjustment of motor cooling systems.  
Stroj vest 10 no.6:197-198 D '64.

1. Maribor Automobile and Motor Factory, Maribor.

ZALOKAR, Ivan, ing.

A cooling fan with its own speed control. Stroj vest 6 no.3:113-114  
My '60. (EEAT 10:1)

1. Tovarna avtomobilov Maribor  
(Automobiles)

ZALOKAR, Jurij

Not every so-called neurosis is a disease. Zdrav. vestn. 34 no.1:  
26-29 '65.

1. Psihiatricna bolnisnica v Begunjah na Gorenjskem (predstojnik:  
dr. Jurij Zalokar).

ZALOKAR, V.

SURNAME (in caps); Given Names

Country: Yugoslavia

Academic Degrees: [not given]

Affiliation: Internal Clinic of the Medical Faculty (Interna Klinika  
Medicinske Fakultete), Ljubljana; Director (Predstojnik):  
Acad Prof Dr I Tavcar

Source: Ljubljana, Zdravstveni Vestnik, Vol XXX, No 1-2, 1961, pp 12-13

Data: "Jirgl's Flocculation Test and its Clinical Significance  
in Differential Diagnosis between Obstructive and Hepatic  
Jaundice."

Authors:

BOHINJEK, J.  
ZALOKAR, V.

MYSHLYAYEV, I.V., nauchnyy sotrudnik; RUBINA, S.I., kand. tekhn. nauk;  
Prinimali uchastiye: ZALOMAYEV, Yu.L.; SAMSONOV, V.D., inzh.

The "Doubles,"-new decorative-facing double-ply materials  
made with the use of polyurethane foams. Nauch.-issl. trudy  
VNIPIK no.14:75-83. '63. (MIRA 18:12)

1. Nachal'nik laboratorii Vladimirskogo nauchno-issledovatel'-  
skogo instituta sinteticheskikh smol (for Zalomayev).

TITLE: Equipment for coating with polyurethane foam

CITED SOURCE: Gos. izdat. tekhn. nauki, Moscow, 1964, 26-27  
Gos. kom-iz. knum. praim-su pri Gosplank SSSR, 1964, 26-27

TOPIC TAGS: polyurethane foam, spray gun design, mobile spray gun, lightweight

ABSTRACT: A brief description is given of mobile and compact equipment designed at the USSR Academy of Sciences as well as for filling small volumes

measure per minute and deposit layers from 5 to 50 mm thick

Card 1/2

1. Introduction

2. Objectives of the study

3. The experimental setup from two tanks with a capacity of 20 and 30 liters. The results of the study are presented in two illustrations.

4. Conclusion

5. References

ENCLOSURE

Card 2/2

L 44187-66 EWT(m)/EWT(j)/T IJP(c) WW/RM

ACC NR: AP6013278 (A) SOURCE CODE: UR/0413/66/000/008/0079/0079

INVENTOR: Zalomayev, Yu. L.; Lozhkin, V. Ye.; Nikolayeva, L. I.;  
Konushkina, K. A.

ORG: none

TITLE: Preparation of foam polyurethanes. Class 39, No. 180794

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 8, 1966, 79

TOPIC TAGS: polyurethane, foam polyurethane, *methacrylic acid*

ABSTRACT: This Author Certificate introduces a method for preparing foam polyurethanes from hydroxyl-containing compounds, polyisocyanates, and water in the presence of a catalyst. The use of copolymers of salts of unsaturated dicarboxylic acids with methacrylic acid, such as the copolymer of methacrylic acid with potassium maleate, is suggested to increase the variety of catalysts. [LD]

SUB CODE: 11p7 SUBM DATE: 16Feb65/

Card 1/1 *all in*

ZALOMNOVA, K.V.

Assembly of instrument units followed by plastic deformation  
of materials. Priborostroyeniye no.10:16-18 O '64.

(MIRA 17:11)

ZALOMOVA, C. V.

"Staphylococcus of Intestinal Origin and Its Characteristics."  
Cand Med Sci, Ivanovo State Medical Inst, Moscow, 1954. (RZhBiol,  
No 5, Mar 55)

SO: Sum. No. 670, 29 Sep 55--survey of Scientific and Technical  
Dissertations Defended at USSR Higher Educational Institutions (15)

ZALOMOVA, O.V., kand. med. nauk

Development and duration of the preservation of drug-resistant  
forms of *Escherichia coli* in prolonged use of streptomycin.  
Sbor. nauch. trud. Ivin. gos. med. inst. no.25:105-110 '62.

(MIRA 17:5)

1. Iz kafedry mikrobiologii (zav. - dotsent I.G. Akimov) Ivanovskogo  
gosudarstvennogo meditsinskogo instituta (rektor - dotsent Ya.M.  
Romanov).

ZALOTAREV, A.

One year's experience with sainfoin at the Mezdra Sheep Selection Station in St. Nicholas. p. 63. SOCIJALISTICKO ZEMJODELSTVO (Društvo no agronomi i zemjodelski tehničari na NR Makedonia) Skopje, Vol. 8, no. 4, Apr. 1956

SOURCE: East Europe Accession Lists (EEAL),  
Library of Congress, Vol. 5, no. 11, Nov. 1956

ZALOTAY, Elemer

Apartments in the giant apartment house. Elet tud 16 no.32:1023 6  
Ag '61.

ZALUD, Jiri; DANICKOVA, Helena; POKORNY, Jan

Stabilizing nonsaturated fat acids by transforming them into carbamide complex compounds. Prum potravin 13 no.12:660-661 D '62.

1. Severoceska tukove zavody, n.p., Usti nad Labem (for Zalud and Danickova). 2. Vysoka skola chemicko-technologicka, fakulta potravinarske technologie, Praha.

*ZALOUDEK, M.*

ZALOUDEK, M.

Legislations concerning public health. Zdravot. rev. 25:6,  
June 50. p. 174-6

CLML 19, 5, Nov., 1950

ZALOUBEK, H.

Medical legislation. Cesk. nemoc. 19 no.1-2:6-7 Jan-Feb 1951. (CML 23:2)

1. Prague.

ZALOUDEK, M.

Erosion of the vaginal portion of the cervix uteri and precancerous states; considerations with special reference to the theory of nervousism. Cesk gyn. 18 no.5:412-418 Oct 1953. (CIML 25:4)

1. Of the Gynecologic-Obstetric Clinic (Head--Padovec) of State Faculty Hospital, Prague XII.

ZALOUDEK, Miloslav, As. MUDr

Pathogenesis of gestoses in early stages of pregnancy and their therapy. Cesk. gyn. 19 no.3:190-196 Ky '54.

1. Z kliniky gynekol.-porodnicke SFN v Praze XII, prednosta doc. MUDr Jaroslav Padovec.

(PREGNANCY TOXEMIAS,

\*pathogen. & ther. in early pregn.)

ZALOUEK, Miloslav, MUDr.

The problem of menstruation disorders. Cesk. gyn. 19 no.3:  
163-166 May 55.

1. Klin. gyn.-por. FN v Praze 12, prednosta doc. MUDr. Jaroslav Padovec.  
(MENSTRUATION DISORDERS  
etiol. & ther.)

ZALOUBEK, Miroslav, As., MUDr; RECEK, Vaclav, MUDr; MAXIMOVICOVA, Mara, MUDr

Carcinoma of the vaginal portion of the uterus and its early diagnosis.  
Cesk. gyn. 20 no.1:34-37 Feb 55.

1. Z Klin. gyn. por. FN v Praze 12; predn. doc. MUDr Jar. Padovec a  
s odd. path. anatomie. Prednosta doc. MUDr. Stolo  
(CERVIX, UTERINE, neoplasms  
diag., early)

PADOVEC, Jaroslav; ZAJOUDEK, Miloslav

Evaluation of conservative and active methods of surgery  
adnexitis. Cesk. gyn. 21 no.4:217-223 June 56.

1. Por gyn. kl. F. N. Praha 12, prednosta doc. Dr. J. Padovec.  
(ADNEXITIS, surgery,  
conservative & radical technics (Cs))

ZALOUDEK, Miloslav, Dr.

Novocaine and its use in gynecology. Cesk. gyn. 21 no.4:  
228-232 June 56.

1. For gyn klinika SFN v Praze 12 (prednosta doc. MUDr.  
Jaroslav Padovec).

(GYNECOLOGICAL DISEASES, therapy.

procaine nerve blocks (Cz))

(ANESTHESIA, REGIONAL, in various diseases,

procaine nerve blocks in gyn. dis. (Cz))

(PROCAINE, therapeutic use,

gyn. dis., nerve block (Cz))

ZALOUBEK, Miloslav, Dr.

Surgery of cancer of the portio vaginae following irradiation.  
Cesk. gyn 21 no,4:257+258 June 56. .

1. Z kl. prof. gyn. SFN v Prase 12 (prednosta doc. Dr. J. Padovec).  
(VAGINA, neoplasms,  
surg. after x-ray ther. (Cz))  
(RADIOTHERAPY, in various diseases,  
cancer of vagina, post-irradiation surg. (Cz))

ZALOUDEK, MILOSLAV

PADOVEC, Jaroslav; ZALOUDEK, Miloslav

Personal modified repair of rectocele and endocele with prolapse of uterus. Cas. lek. cesk. 95 no. 44-45:1236-1238 9 Nov 56.

1. Gynekologickoporodnicka Klinika LHF v Praze XII (predn. doc. Dr. J. Padevec).

(UTERUS, dis.

prolapse with rectocele, surg., modified technic (Cz))

(HERNIA,

rectum, with prolapse of uterus, surg., modified technic (Cz))

(RECTUM, dis.

hernia, with prolapse of uterus, surg., modified technic (Cz))

ZALOUDEK, Miloslav

Autonomic reactions in women with gynecological inflammations.  
Cesk. gyn. 24[40] no.10:738-742 D '61.

1. Por. gyn. klinika LFHKU, prednosta doc. dr. J. Padovec.  
(AUTONOMIC NERVOUS SYSTEM physiol) (GYNECOLOGY)

SUBERT, M.; TRAPL, J.; ZALOUEK, M.

Epidemiology of genital discharges in adults. Cesk. gyn. 26[40]  
no.4:252-254 '61.

1. III. gyn-por. klinika KU v Praze, prednosta prof. R. Peter, Dr.Sc.  
(LEUKORRHEA epidemiol)

CHMELIK, V., C.Se.; ZALOUDEK, M.; FUCHS, Vl.; HRAZDIL, K.

Surgical therapy of the cervix uteri in discharges. Cesk. gyn.  
26[40] no.4:271-274 '61.

(CERVICITIS surg) (LEUKORRHEA surg)

ZALOUDEK, Miloslav

Problem of chronisation of inflammation of the adnexa. Cesk.gyn.  
25[39] no.6:470-475 J1'60.

1. Gyn. por. klinika LFH KU, prednosta doc.dr. J.Padovec.  
(ADNEXITIS etiol)

KUCEROVSKY, Zdenek, ZALOUDIK, Petr

Device for level indication of loose materials in storage bins.  
Chem prum 13 no.8:408-411 Agt63.

1. Vyzkumny ustav makromolekularni chemie, Brno.

ZALOUDEK, Petr

Gas viscosity measurement by Hoppler viscometer. Chem prum 12  
no.2:81-83 F '62.

1. Vyzkumny ustav makromolekularni chemie, Brno.

ZALONDIK, Petr

Determination of power consumption in agitation by means of  
torsional table with magnetoelastic sensing device. Chem prum  
15 no.3:147-151 Mr '65.

1. Research Institute of Macromolecular Chemistry, Brno.

STERZL, Jaroslav; Technicka spoluprace ZALOUDKOVA, Dany; TRISKOVE, Ludmily

Biologic properties of tissue precursor of serum antibodies.  
Cesk. biol. 4 no.6:321-332 June 55.

1. Biologicky ustav CSAV, mikrobiologie, Praha.  
(ANTIGENS AND ANTIBODIES,  
antibody form., tissue precursors.)

STERZL, J.; KOSTKA, J.; LANC, A., technicka spoluprace HOFMANOVA, B., ZALOUDEKOVA, D.

The nature of properties of bactericidal serum against gram-negative microorganisms. Cas.lek.cesk 101 no.3:65-71 19 Ja '62.

1. Mikrobiologické oddelení, Biologický ústav, Československá akademie věd, Praha.

(BACTERIA) (BLOOD)

STERZL, Jaroslav; ZALOUDKOVA, Dana

Attempted change of antigenic properties of Brucella abortus with Salmonella paratyphi B antigens. Cesk. biol. 4 no.8:506 Aug 55.

1. Biologicky ustav CSAV, mikrobiologie, Praha.

(ANTIGENS AND ANTIBODIES,

Salmonella paratyphi antigens, eff. on antigenic properties of Brucella abortus)

(SALMONELLA PARATYPHI,

antigens, eff. on Brucella abortus antigenic properties)

(BRUCELLA ABORTUS,

antigenic properties, eff. of Salmonella paratyphi antigens)

ZALOV, M., kand.sel'skokhoz.nauk; MAKSTMAN, I., red.; NAUMENKO, V.,  
tekhn.red.

[Study and work belong together; corn growing by school work  
brigades of Babayurt and Khasavyurt Districts] Ucheba i trud  
vmeste zhiwit; iz opyta vozdeleyvaniia kukuruzy shkol'nyimi  
proizvodstvennymi brigadami Babaiurtovskogo i Khasaviurtovskogo  
raionov. Makhachkala, Dabestanskoe knizhnoe izd-vo, 1959. 23 p.  
(MIRA 14:7)

(Babayurt District—Corn (Maize))  
(Khasavyurt District—Corn (Maize))

USSR / Cultivated Plants. Grains.

M-3

Abs Jour: Ref Zhur-Biol., 1958, No 16, 72880.

Author : Zalov, M. K.

Inst : Not given.

Title : Winter Hard Wheats of Dagestan as Original Selection Material.

Orig Pub: Selektsiya i semenovodstvo, 1958, No 1. 65-66.

Abstract: No abstract.

Card 1/1

17

BABAK, V. S., ZALOZH, F. K., KHRUSTALEVA, F. YE.

Viticulture - Izmail Province

Our methods of caring for vineyards. Vin. SSSR no. 4, 1952.

Monthly List of Russian Accessions, Library of Congress, July 1952. UNCLASSIFIED.

GALL', I.; GACHKAYEV, K.; ZALOZHCHIK, A.

Practice in iron electroplating. Avt.transp. 40 no.5:29-33  
My '62. (MIRA 15:5)

(Iron plating)

GIMMEL'MAN, Nikolay Robertovich; KOCHUROV, Aleksey Stepanovich;  
Prinimali uchastiye: BORISOV, A.P., inzh.; ZHIDKIKH, I.A.,  
inzh.; VOLEKOV, A.F., inzh.; SHABALIN, L.A., inzh.  
MIKHAYEV, N.P., kand.tekhn.nauk, retsenzent; ABAKUMOV, S.F.,  
inzh., retsenzent; ZASYPKIN, A.G., inzh., retsenzent;  
ZALOZHNEV, G.N., inzh., retsenzent; KLOTSMAN, M.I., inzh.,  
retsenzent; KOLMOGOROV, S.M., inzh., retsenzent; BLANK, E.M.,  
inzh., red.; DUGINA, N.A., tekhn.red.

[Making models] Model'noe proizvodstvo. 3. perer. izd.  
Moskva, Mashgiz, 1961. 295 p. (MIRA 14:12)  
(Engineering models)  
(Molding (Founding)--Equipment and supplies)

ZALOZHNEV, S.

27-7-26/37

AUTHOR: Zalozhnev, S., Chief of Oblast Administration of Labor Reserves (Sverdlovsk)

TITLE: A Good Start (Khoroshty pochin)

PERIODICAL: Professional'no - Technicheskoye Obrazovaniye, 1957, # 7(146), p 31 (USSR)

ABSTRACT: Among directors and their assistants there are men not proficient in any of the trades taught at their schools. It was suggested at the Oblast' Pedagogical Conference that the school staff members should learn at least one of the trades themselves. The article gives the names of several directors and deputy-directors of schools, with university educations, who have become railroad masters, assistant machinists of locomotives, lathe operators, tractor drivers etc.

ASSOCIATION: Oblast Administration of Labor Reserves in Sverdlovsk (Sverdlovskoye oblastnoye upravleniye trudovykh rezervov)

AVAILABLE: Library of Congress

Card 1/1

SOV-27-58-8-4/27

AUTHOR: Zalozhnev, S.

TITLE: Socialist Competition - a Basis for Improving the Entire Teaching-Educational Process (Sotsialisticheskoye sorevnovaniye - osnova uluchsheniya vsego uchebno-vospitatel'nogo protsessa)

PERIODICAL: Professional'no-tekhnicheskoye obrazovaniye, 1958, Nr 8, pp 7-9 (USSR)

ABSTRACT: Considerable improvements were noticed in the training of qualified workers in the Sverdlovsk Oblast, which may be attributed to the introduction of socialist competitions. As in other districts of the USSR, competitions arranged between the different schools, incited the students to greater efficiency in building machine tools, erecting buildings and taking greater interest in cultural life, as well as in raising their own general educational level.

ASSOCIATION: Sverdlovskoye oblastnoye upravleniye trudovykh rezervov (Sverdlovsk District Administration of Labor Reserves)

1. Industrial production--USSR    2. Personnel--Training

Card 1/1

ZALOZHNEV, S.

Let's pay attention to economic problems. Prof-tekh. obr. 21 no.6:  
23 Je '64. (MIRA 17:9)

1. Nachal'nik Sverdlovskogo upravleniya professional'no-tekhnicheskogo  
obrazovaniya.

ZAIOZHNEY, S.

Technical progress demands. Prof.-tekh. obr. 17 no.9:7-9 S '60.  
(MIRA 13:10)

1. Nachal'nik Sverdlovskogo oblastnogo upravleniya professional'no-  
tekhnicheskogo obrazovaniya.  
(Sverdlovsk Province-- Vocational education).

1. ZALCZIN, I. I., Enc.
2. USSR (600)
4. Dust - Removal
7. Dust collector for a "TSiklon" exhaust apparatus. Der. i lesoklim. prom. 1 No. 8, 1952.

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

Zaloznik, E.

Effect of chlorination on paper pulp. Ø. 74. PAPIR A CELULOSA.  
(Ministerstvo lesu a drevarského průmyslu) Praha. Vol. 11, no. 4,  
Apr. 1956.

Source: EEAL LC Vol. 5, No. 10 Oct. 1956

ZALOZNIK, Emil; HOCMANOVA, Irena, inz.; BOHYNIK, Rudolf, inz.

Problem of slime control. Papir a celuloza 17 no.2:32-34 F  
'62.

1. Severoslovenske celulozky a papierne, zavod Zilina.

ZALOZNOV, Ye., master proizvodstvennogo obucheniya

Industrial training tests. Prof.-tekh.obr. 20 no.10:20 0 '63.  
(MIRA 16:12)

1. Dmitriyevskoye tekhnicheskoye uchilishche No.1, Kurskaya obl.

**ZALOZNIYY, K.D.**

KOVUN, P.K.; NEVZOROV, A.P.; ANTONENKO, G.P.; BUDINA, L.V.; VORONINA, Ye.P.;  
 GUSSEY, P.I.; YELAGIN, M.N.; ZHURAVLEV, M.A.; **ZALOZNIYY, K.D.**; KOMKOV, V.N.;  
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